

# Comparisons of Job Characteristics

**Focus Occupation:** [Helpers--Electricians \(47-3013\)](#)

**Associated Occupation:** [Helpers--Installation, Maintenance, and Repair Workers \(49-9098\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 79

**Focus Occupation:** [Helpers--Electricians \(47-3013\)](#)

**Associated Occupation:** [Helpers--Installation, Maintenance, and Repair Workers \(49-9098\)](#)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mechanical	6.8	15.0	13.4	<	Expanded education and/or training may be required
Public Safety and Security	6.9	9.5	7.5	<	Expanded education and/or training may be required
Engineering and Technology	5.7	9.1	5.9	<<	Extensive education and/or training may be required
Design	5.2	8.2	8.3	0	Current knowledge level may be sufficient
Building and Construction	4.0	6.9	14.8	>>	Current knowledge level is likely more than sufficient
Chemistry	4.8	6.8	2.4	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 86

**Focus Occupation:** [Helpers--Electricians \(47-3013\)](#)

**Associated Occupation:** [Helpers--Installation, Maintenance, and Repair Workers \(49-9098\)](#)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Operation Monitoring	6.6	10.8	6.0	<<	Extensive development of skills in this area may be required
Equipment Maintenance	3.5	10.7	8.0	<<	Extensive development of skills in this area may be required
Operation and Control	5.4	10.5	7.3	<<	Extensive development of skills in this area may be required
Quality Control Analysis	5.9	10.0	7.1	<<	Extensive development of skills in this area may be required

Repairing	3.4	9.4	7.6	<	A higher skill level may be required
Troubleshooting	4.5	9.3	6.1	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	8.7	5.1	<<	Extensive development of skills in this area may be required
Installation	1.7	5.8	5.7	0	Current skill level may be sufficient
Technology Design	2.6	5.8	1.9	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 85			
Focus Occupation: Helpers--Electricians (47-3013)					
Associated Occupation: Helpers--Installation, Maintenance, and Repair Workers (49-9098)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Extent Flexibility	4.8	13.4	12.2	0	Current ability level may be sufficient
Arm-Hand Steadiness	6.8	12.4	10.2	<	Some improvement in abilities may be required
Static Strength	5.0	11.6	9.4	<	Some improvement in abilities may be required
Trunk Strength	5.7	11.1	10.0	<	Some improvement in abilities may be required
Hearing Sensitivity	5.6	10.1	2.1	<<	Extensive improvement in abilities may be required
Dynamic Strength	3.5	8.5	7.4	<	Some improvement in abilities may be required
Gross Body Equilibrium	3.2	8.4	9.2	0	Current ability level may be sufficient
Glare Sensitivity	2.6	7.5	4.4	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 82
<b>Focus Occupation: Helpers--Electricians (47-3013)</b> <b>Associated Occupation: Helpers--Installation, Maintenance, and Repair Workers (49-9098)</b>		
Work Activities	Exclusivity of Activity	
Apply cleaning solvents	41	
Assist mechanic, or extractive or construction trades craft worker	81	
Clean equipment or machinery	20	
Clean rooms or work areas	30	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Maintain or repair cargo or passenger vehicle	69	

Move or fit heavy objects	8
Read blueprints	10
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Replace electronic components	63
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 82

**Focus Occupation: Helpers--Electricians (47-3013)**

**Associated Occupation: Helpers--Installation, Maintenance, and Repair Workers (49-9098)**

Tools and Technologies	Exclusivity
Aerial lifts	13
Compressors	9
Computers	1
Content authoring and editing software	1
Cutting and crimping and punching tools	3
Data management and query software	1
Earth moving machinery	11
Face and head protection	7
Forming tools	2
Holding and clamping tools	3
Industrial trucks	10
Ladders and scaffolding	6
Lifting equipment and accessories	3
Machine tools	7
Measuring and layout tools	3
Pneumatic tools	8
Power tools	2
Safety apparel	4
Soldering and brazing and welding machinery and supplies	6
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.